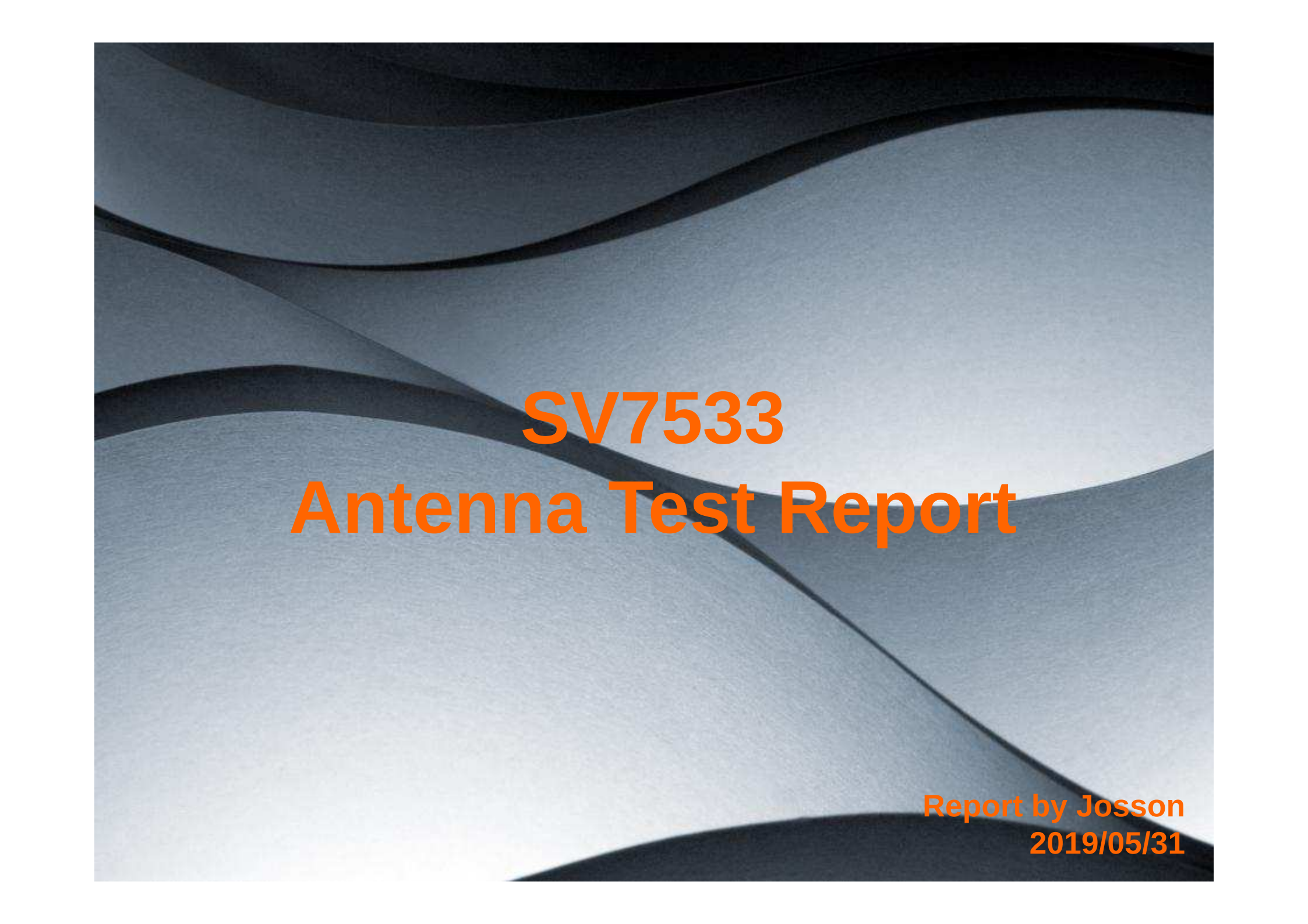




SV7533

Antenna Test Report

Report by Josson
2019/05/31

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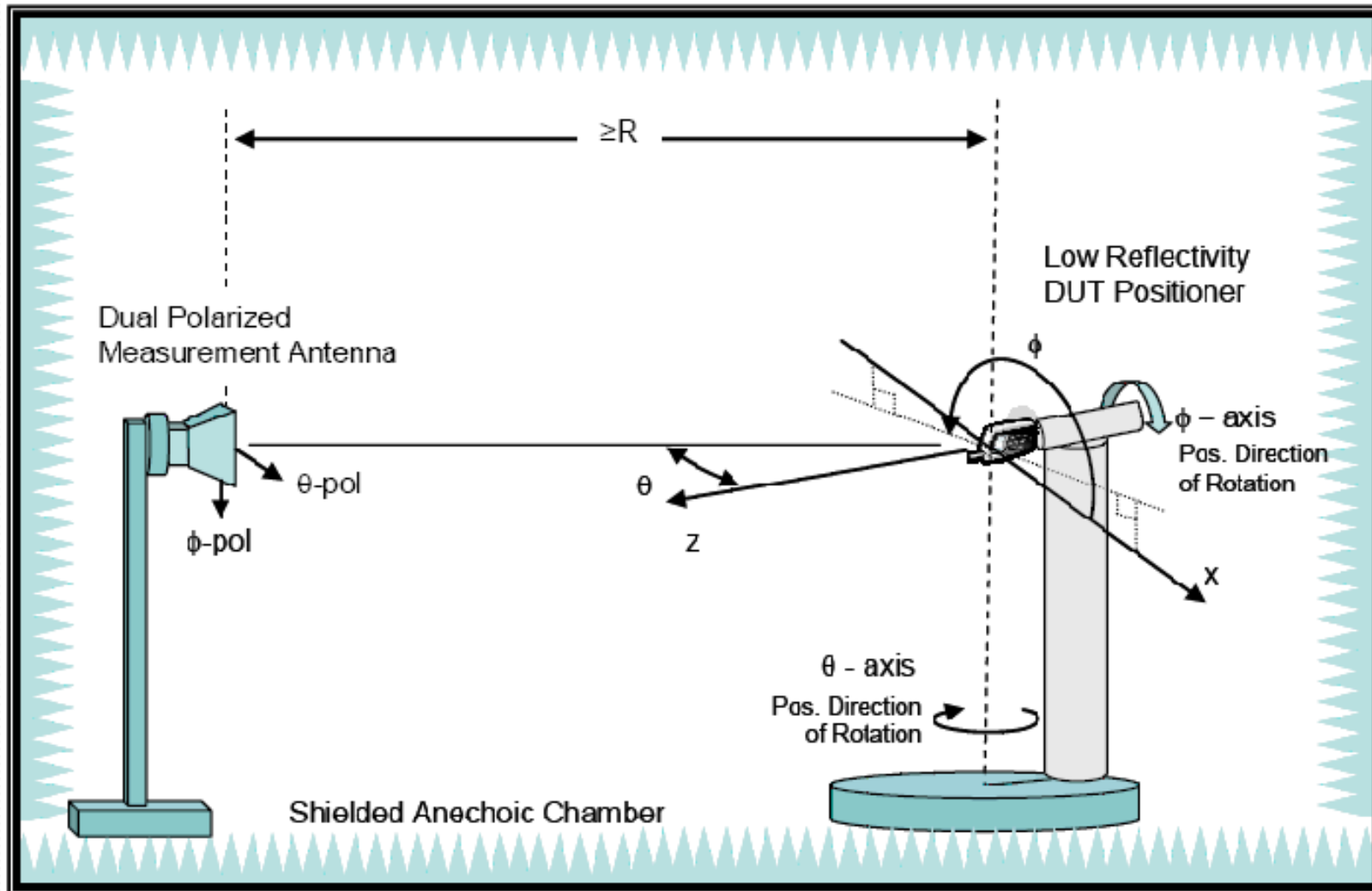
1. Test System
2. Antenna Under Test
3. Antenna Placement

B. Antenna RF Characteristics

1. Return Loss
2. Gain Table
3. 3D Radiation / 2D Pattern

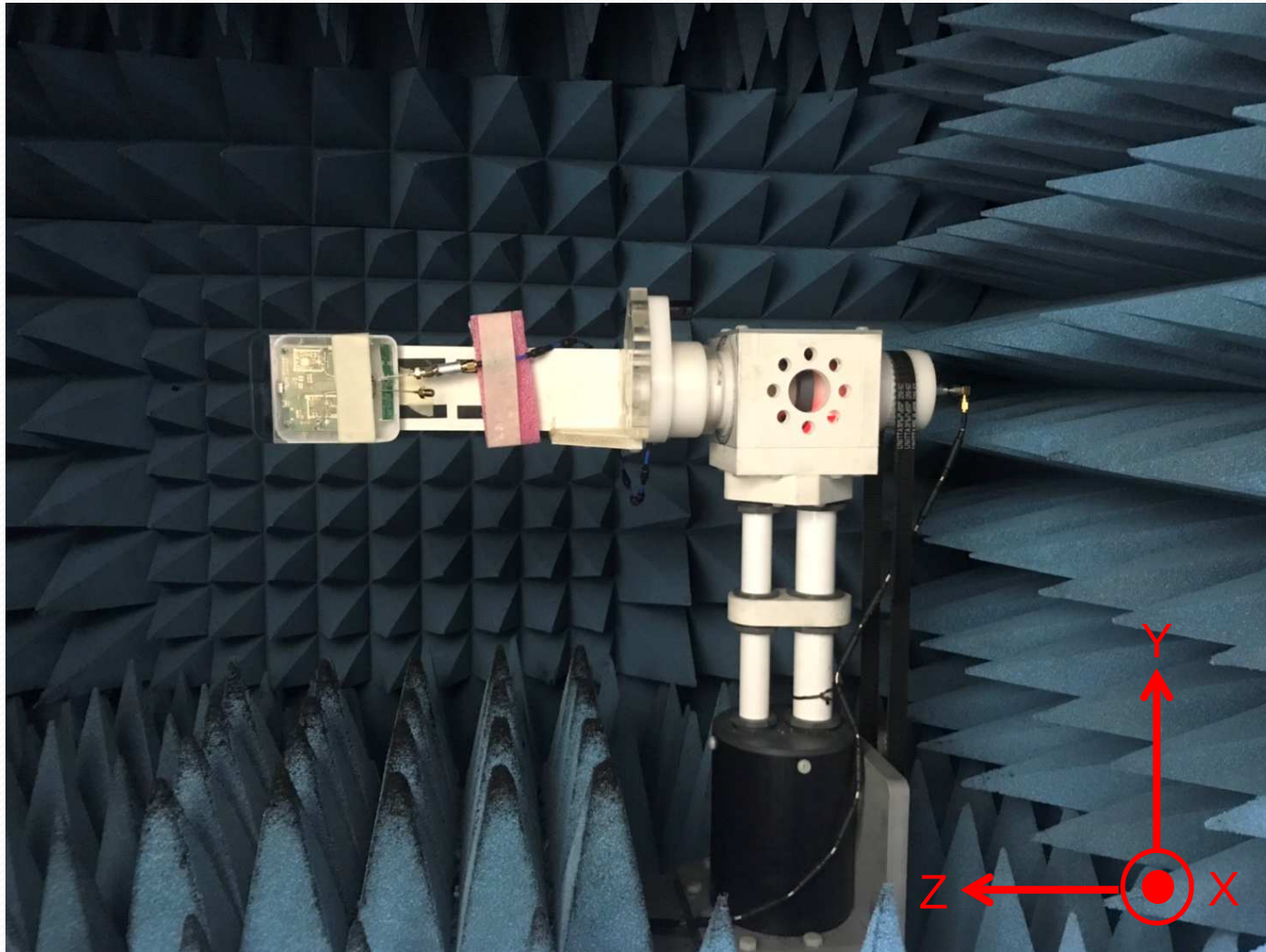
Antenna Test System

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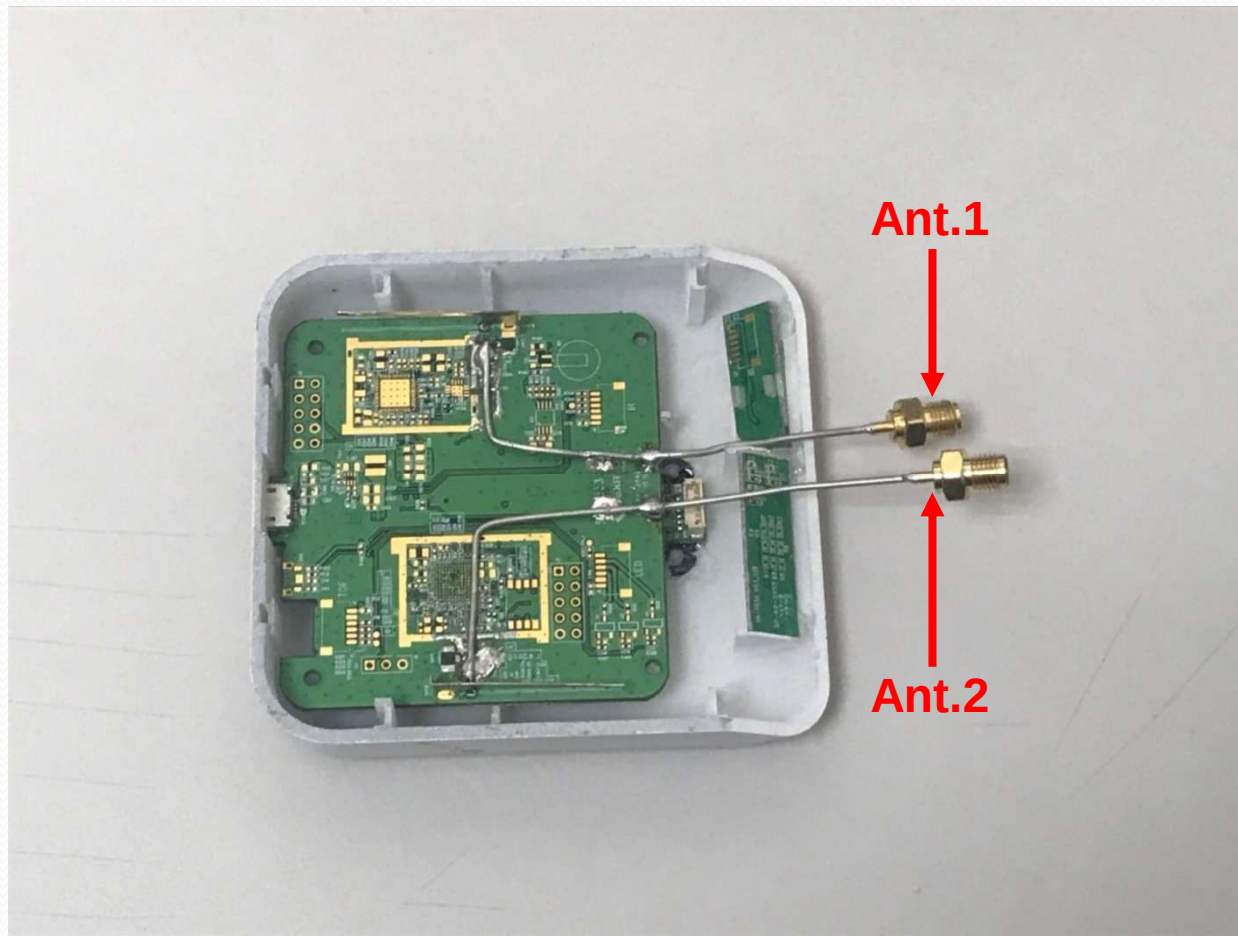
Antenna Under Test

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Antenna Placement

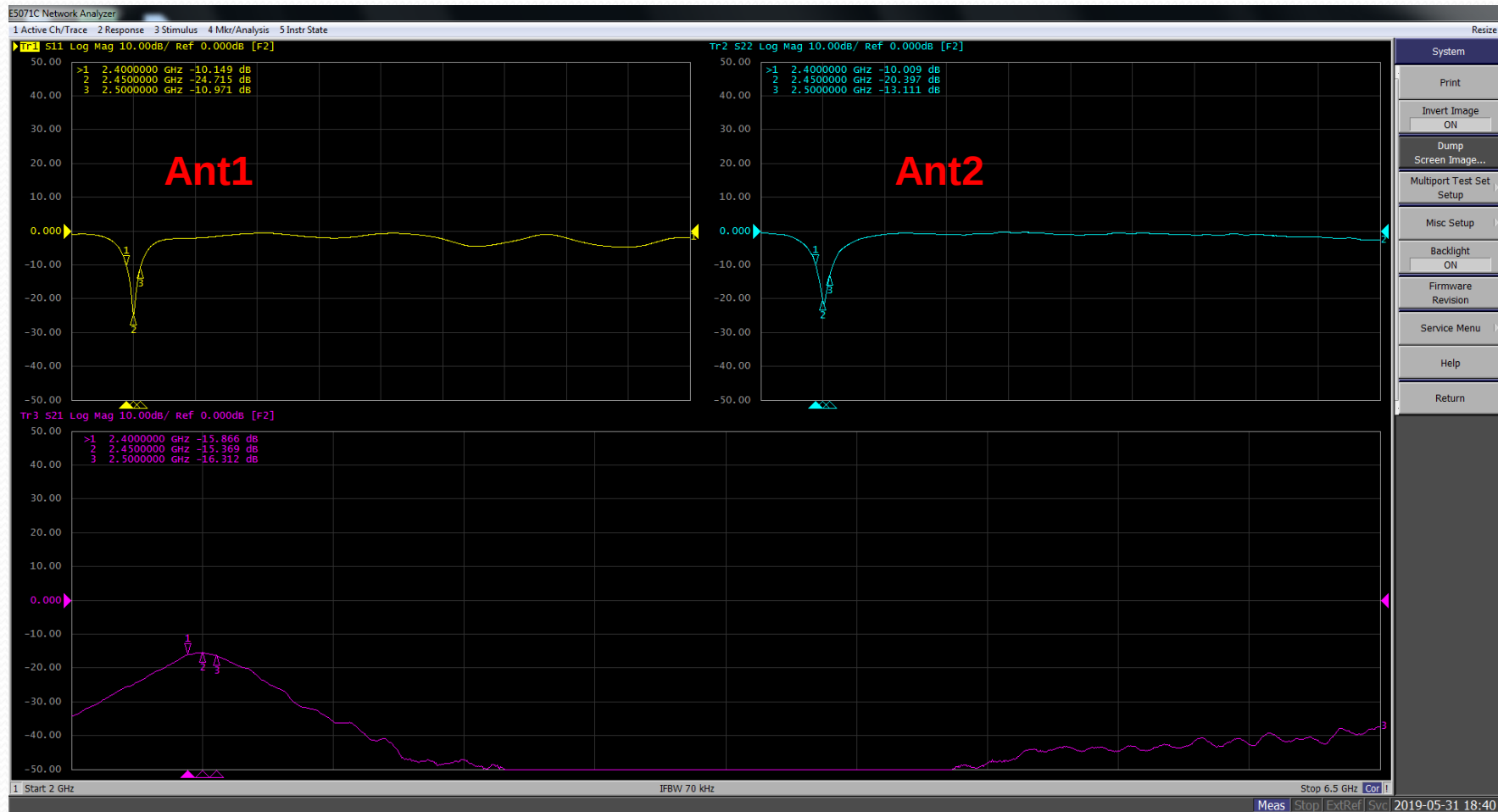
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Ant. 1~2 : Single Band 2.4GHz

Return Loss

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Gain Table

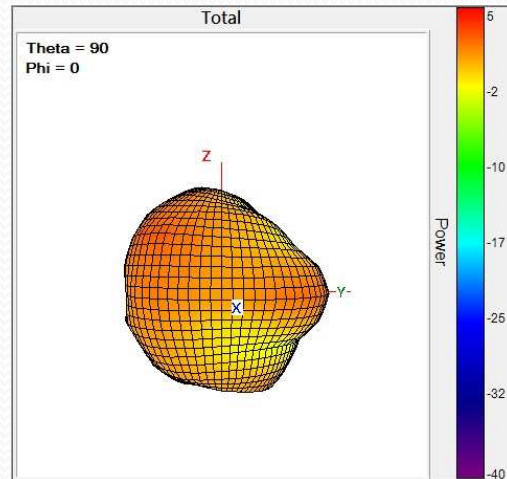
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Ant.1			
Frequency (MHz)	2400	2450	2500
Peak Gain (dBi)	2.3	3.1	3.2
Efficiency (%)	76	87	84

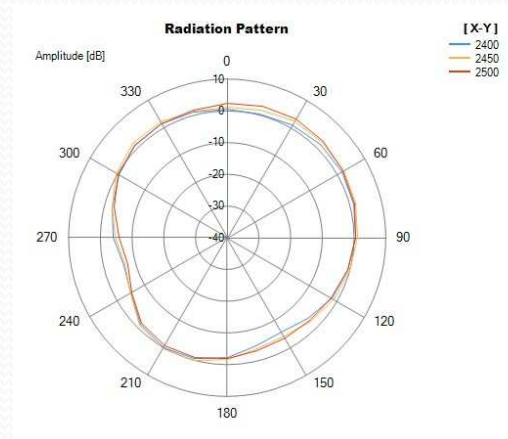
Ant.2			
Frequency (MHz)	2400	2450	2500
Peak Gain (dBi)	3.5	4.4	4.4
Efficiency (%)	70	78	76

Ant.1 2.4GHz Radiation Pattern

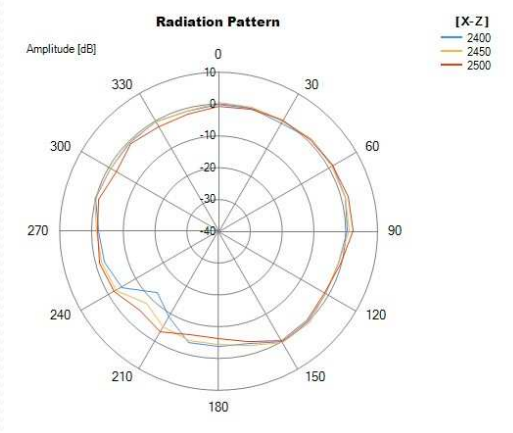
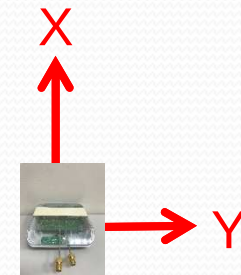
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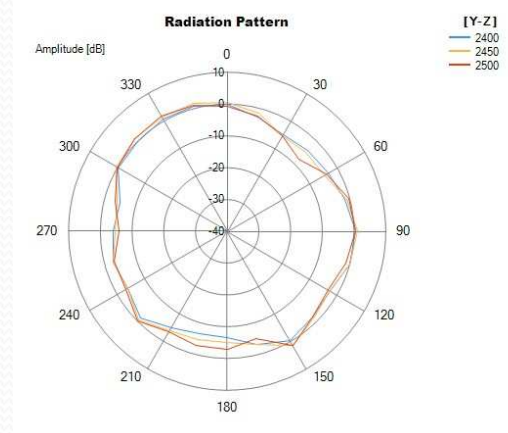
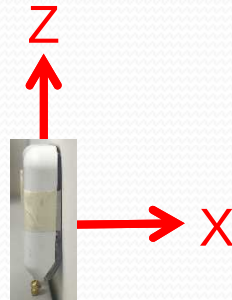
3D



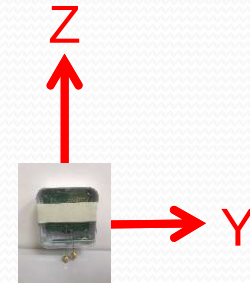
X-Y



Z-X

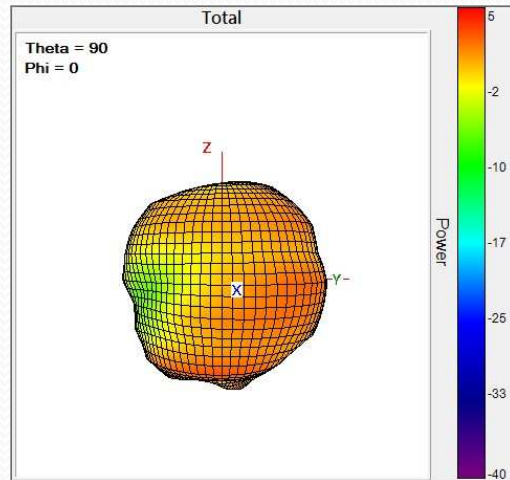


Z-Y

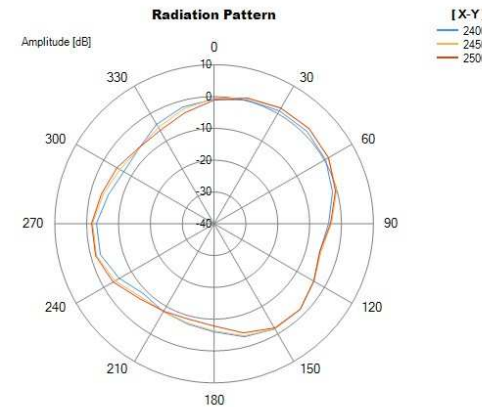


Ant.2 2.4GHz Radiation Pattern

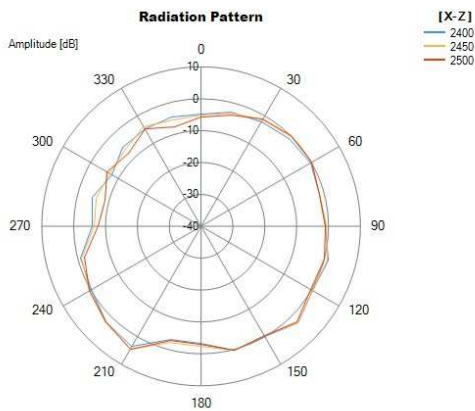
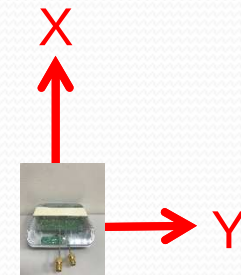
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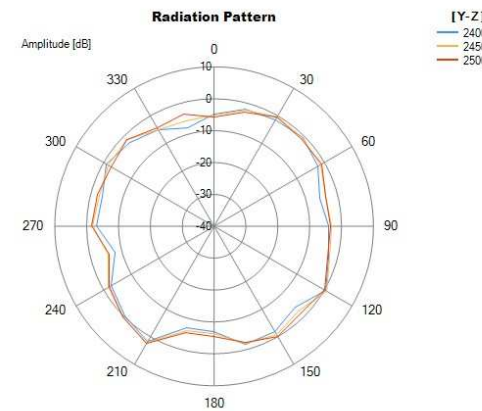
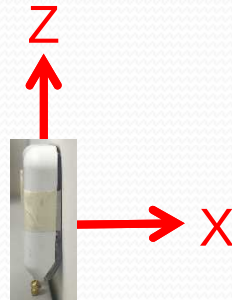
3D



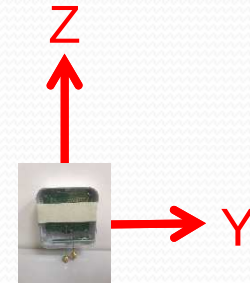
X-Y



Z-X



Z-Y



- Antenna Characteristics:
 - Return loss < -10dB in operating band
 - Isolation:
 - 2.4GHz band > 15dB
 - Gain:
 - 2.4GHz band : 2.2~4.4 dBi
 - Efficiency:
 - 2.4GHz band > 70%